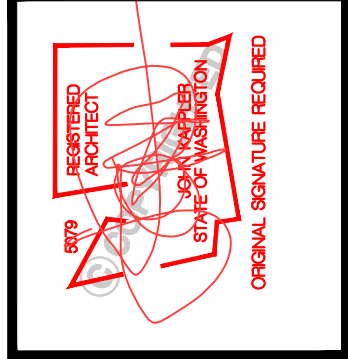
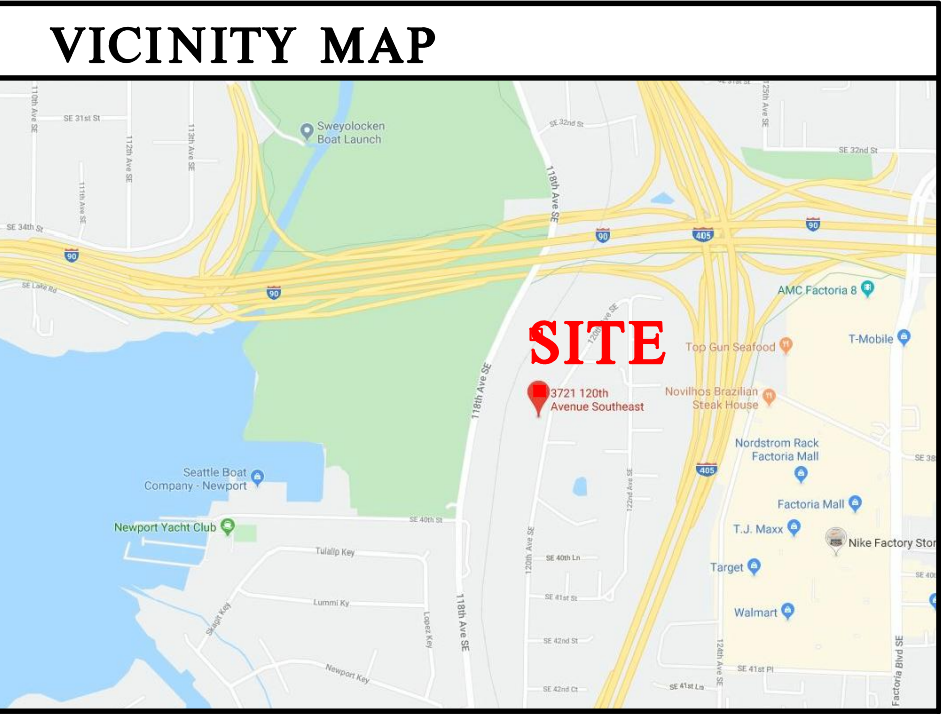


TREE IDENTIFICATION		
TREE/SPECIES	SIZE (DBH)	RETAINED
145. ASH	(18")	OFF SITE
147. MAPLE	12"	YES
148. CEDAR	20"	YES
150. MAPLE	(20")	OFF SITE
173. WALNUT	8"	YES
195. MAPLE	14"	YES
196. MAPLE	26"	YES
224. DOUG FIR	(27")	OFF SITE
225. DOUG FIR	(34")	OFF SITE
226. DOUG FIR	(32")	OFF SITE
230. CEDAR	(15")	OFF SITE
231. CEDAR	(15")	OFF SITE
232. CEDAR	(12")	OFF SITE
233. DOUG FIR	(24")	OFF SITE
234. DOUG FIR	(28")	OFF SITE
235. CEDAR	(12")	OFF SITE
236. CEDAR	(24")	OFF SITE
237. CEDAR	(8")	OFF SITE
267. STEWARTIA	10"	YES
277. STEWARTIA	10"	YES
TOTAL DBH = 100" / 100% RETENTION		

SITE CALCULATIONS (PROPOSED)	
LOT AREA 24,584 SF	GROSS LOT AREA
STRUCTURE COVERAGE CALCULATION	
24,584 SF GROSS LOT AREA	
13,864 SF STEEP SLOPE AREA	
10,720 SF NET LOT AREA	
x 40%	
4,288 SF	ALLOWABLE LOT STRUCTURE COVERAGE
1,985 SF HOUSE/GARAGE (NO CHANGE)	
994 SF DECK (-794 SF)	
0 SF SHED (-113 SF)	
2,979 SF/27.7% TOTAL PROPOSED STRUCTURE COVERAGE	
(-681 SF/-6.3%)	
IMPERVIOUS SURFACE CALCULATION	
24,584 SF GROSS LOT AREA	
x 50%	
12,292 SF	ALLOWABLE IMPERVIOUS COVERAGE
2,320 SF HOUSE/GARAGE ROOF (including eaves) (NO CHANGE)	
909 SF DECK (excluding portion w/ eaves) (-754 SF)	
244 SF PATIO (excluding portion w/ eaves & deck) (-96 SF)	
1,696 SF DRIVEWAY (excluding portion w/ eaves) (NO CHANGE)	
281 SF PORCH (excluding portion w/ eaves) (NO CHANGE)	
0 SF SHED (-113 SF)	
90 SF NEW WALKWAY & LANDING (-90 SF)	
0 SF GRAVEL AREA (-2153 SF)	
5,530 SF/22.4% TOTAL PROPOSED IMPERVIOUS SURFACE	
(-416 SF/-3.9%)	
F.A.R. CALCULATION	
N/A (ADDING LESS THAN 20% OF GROSS FLOOR AREA)	
MINIMUM GREENSPACE 5% OF FRONT YARD	
2,022 SF FRONT YARD AREA	
x 50%	
1,011 SF	MINIMUM GREENSPACE
697 SF/34.4%	TOTAL GREENSPACE (NO CHANGE)

SITE INFO	
STREET ADDRESSES: 3721 120th Ave SE	
PARCEL #: 544830-0120	
LEGAL DESCRIPTION: LOT 7, BLOCK 2, MERCER ADDITION ACCORDING TO THE PLAT THEREOF RECORDED IN VOLUME 17 OF PLATS ON PAGE 8 IN KING COUNTY, WASHINGTON.	
ZONING	
ZONING: R-5	HEIGHT LIMIT 30'/35' ABOVE A.B.E.
SINGLE FAMILY SETBACKS:	
FRONT = 20'-0"	IMPERVIOUS SURFACE 50%
REAR = 20'-0"	FLOOR AREA RATIO 50%
SIDE = 5'/15' MIN.	STRUCTURE COVERAGE 40%
GREEN SPACE 50% FRONT YARD	



Date	By	Description
2/7/19	SM	OFFICIAL AREA SUBMITAL

**Baches Deck**  
Parcel #544830-0120  
3721 120th Ave SE  
Bellevue, WA 98006

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**ARCHITECTURAL INNOVATIONS, P.S.**  
Forward Thinking Design Solutions For Your Environment  
14311 SE 94th St.  
Bellevue, WA 98007  
1-800-888-4517  
www.bachesthoughts.com

TITLE	
JOB NO.:	190714
STARTING NO.:	NONE

SHEET	
A2	



# Altmann Oliver Associates, LLC

PO Box 578

Carnation, WA 98014

Office (425) 333-4535

Fax (425) 333-4509

# AOA

Environmental  
Planning &  
Landscape  
Architecture



January 8, 2020

AOA-5961

Elya Baches  
3721 – 120<sup>th</sup> Ave. SE  
Bellevue, WA 98006

**SUBJECT: Critical Areas Study and Habitat Assessment for Baches Residence  
Bellevue, WA (Parcel 544830-0120)**

Dear Elya:

On May 14, 2019 AOA conducted a wetland reconnaissance on the subject property utilizing the methodology outlined in the May 2010 *Regional Supplement to the Corps of Engineers Wetland Delineation Manual: Western Mountains, Valleys, and Coast Region (Version 2.0)*. The eastern portion of the site is currently developed with your single-family residence and associated maintained yard. The western and central portion of the site slopes moderately to steeply down from east to west and is vegetated with dense blackberry and scattered trees.

## **Wetland A**

One wetland (Wetland A) was identified and delineated on the slope in the western portion of the site. The boundary of Wetland A was subsequently surveyed and is depicted on **Figure 1**. Wetland A is hydrologically supported by groundwater seepage and also collected runoff discharged into the wetland via a culvert located on the adjacent property to the north. The source of the runoff is currently unknown.

Wetland A is considered a Slope Hydrogeomorphic (HGM) class and is vegetated with a scrub-shrub plant community dominated by Himalayan blackberry (*Rubus armeniacus*), reed canarygrass (*Phalaris arundinacea*), giant horsetail (*Equisetum telmateia*), lady fern (*Athyrium filix-femina*), and climbing nightshade (*Solanum dulcamara*).

**Attachment A** contains data sheets prepared for a representative location in both the wetland and upland. These data sheets document the vegetation, soils, and hydrology information that aided in the wetland boundary delineation.

Wetland A meets the criteria for a Category IV wetland (**Attachment B**). Category IV wetlands require a standard 40-foot buffer from the wetland edge per LUC 20.25H.035.A.

The top of the steep slope on the property has been surveyed. Steep slopes require a standard 50-foot buffer from the top of the slope. Since the wetland is located entirely on the slope, the 50-foot top of slope buffer would be most restrictive. The buffer area above the top of slope currently consists entirely of existing gravel and yard that does not provide any significant functional benefit to the wetland.

### **Proposed Project**

The proposed project consists of the expansion and re-configuration of the decks along the western side of the existing residence. The geotechnical engineer has determined that the standard steep slope buffer can be reduced to accommodate this work. No native vegetation will be removed from within the steep slope or wetland buffer as part of the project.

The only work proposed within the wetland buffer will be the removal of existing impervious surface and seeding with a grass mix. As part of the project, the total amount of impervious surface within the buffers on the site will decrease (**Figure 2**). Since there will be no loss of native vegetation and there will be a decrease in impervious surfaces, no mitigation plantings should be required.

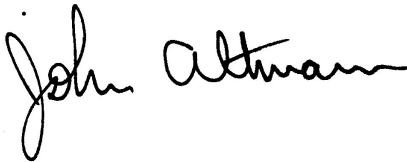
### **Habitat Assessment**

Twenty-three (23) species have been designated by the City of Bellevue as species of local importance (LUC 20.25H.150). Since there will be no loss of native vegetation or any removal of habitat features as part of the project, there will be no impact to any of these 23 species. Furthermore, since there will be an overall decrease in impervious surfaces within the buffers on the site as part of the project, no compensatory mitigation should be required.

If you have any questions regarding the delineation, please give me a call.

Sincerely,

ALTMANN OLIVER ASSOCIATES, LLC

A handwritten signature in black ink that reads "John Altmann". The signature is written in a cursive, flowing style.

John Altmann  
Ecologist

Attachments



3721 120th Ave SE  
Bellevue, WA 98006  
City of Bellevue  
Parcel: 544830-0120

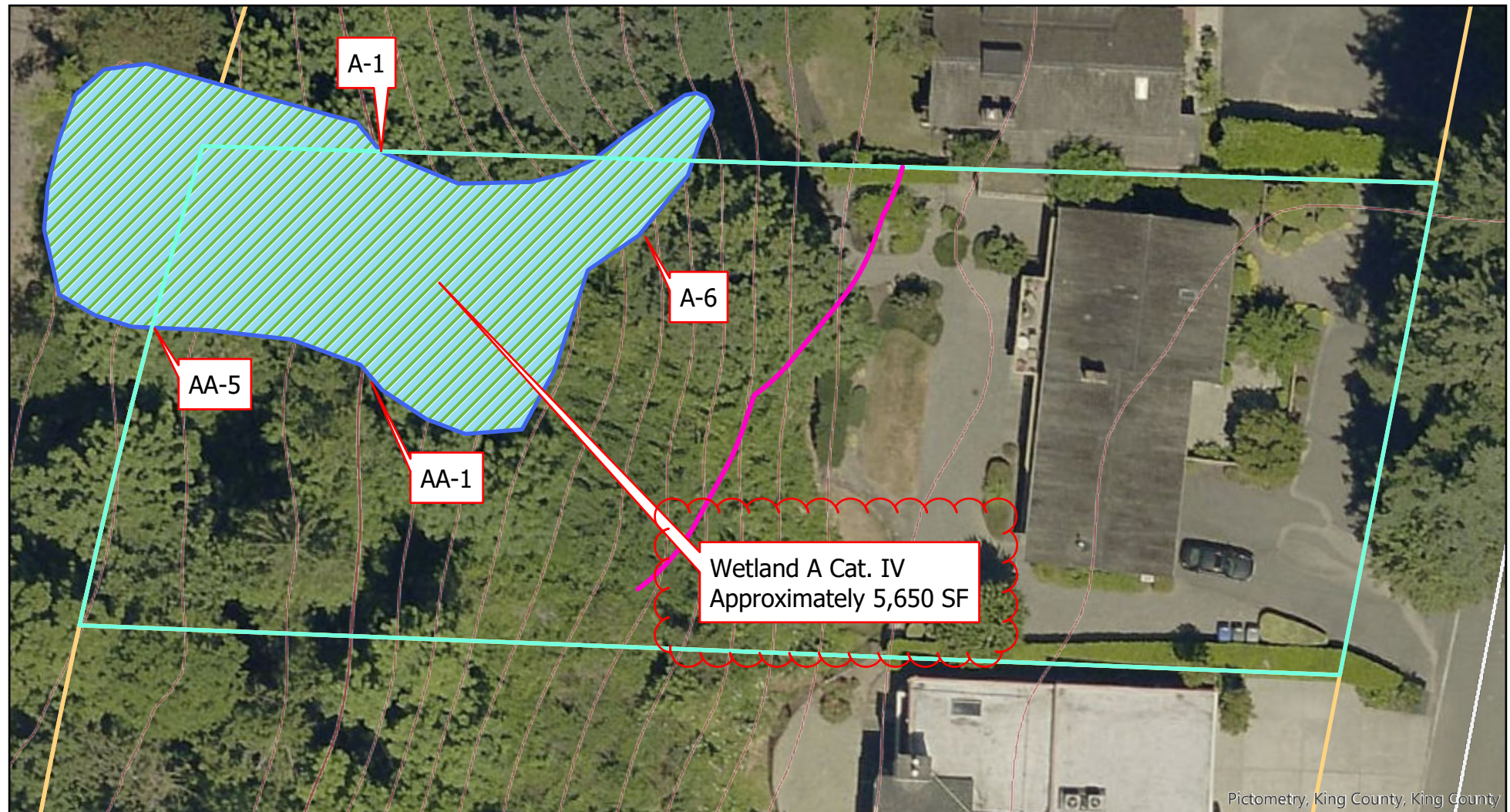
Altmann Oliver Associates, LLC

PO Box 578    Carnation, WA 98014    Office (425) 333-4535    Fax (425) 333-4509



# Critical Areas Map

AOA - 5961



- King\_County\_Parcels
- Subject Property Parcel: 544830-0120
- Approximate Wetland A Cat. IV
- Approximate 40' Buffer for Wetland A

0 10 20 40 60 80 US Feet





# **ATTACHMENT A**

## **DATA SHEETS**



# WETLAND DETERMINATION DATA FORM – Western Mountains, Valleys, and Coast Region

Project Site: 3721 120<sup>th</sup> Ave SE  
Parcel: 544830-0120 City/County: Bellevue/ Sampling Date: 5-14-19  
 Applicant/Owner: Baches State: WA Sampling Point: DP#1  
 Investigator(s): John Altmann, Jason Panzera Section, Township, Range: S9 T24N R5E  
 Landform (hillslope, terrace, etc.): Slope Local relief (concave, convex, none): \_\_\_\_\_ Slope (%): \_\_\_\_\_  
 Subregion (LRR): A Lat: 47.5768 Long: -122.17991 Datum: \_\_\_\_\_  
 Soil Map Unit Name: AqD NWI classification: N/A  
 Are climatic / hydrologic conditions on the site typical for this time of year? Yes ☒ No ☐ (If no, explain in Remarks.)  
 Are Vegetation ☐, Soil ☐, or Hydrology ☐, significantly disturbed? Are "Normal Circumstances" present? Yes ☒ No ☐  
 Are Vegetation ☐, Soil ☐, or Hydrology ☐, naturally problematic? (If needed, explain any answers in Remarks.)

## SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Is the Sampled Area within a Wetland?	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
Hydric Soil Present?	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>		
Wetland Hydrology Present?	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>		
Remarks: <u>10' Into Wetland off A-1</u>			

## VEGETATION – Use scientific names of plants

Tree Stratum (Plot size: <u>10'</u> )	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test Worksheet:																								
1. <u>_____</u>	<u>_____</u>	<u>_____</u>	<u>_____</u>		Number of Dominant Species That Are OBL, FACW, or FAC: <u>4</u> (A)  Total Number of Dominant Species Across All Strata: <u>4</u> (B)  Percent of Dominant Species That Are OBL, FACW, or FAC: <u>100</u> (A/B)																							
2. <u>_____</u>	<u>_____</u>	<u>_____</u>	<u>_____</u>																									
3. <u>_____</u>	<u>_____</u>	<u>_____</u>	<u>_____</u>																									
4. <u>_____</u>	<u>_____</u>	<u>_____</u>	<u>_____</u>																									
50% = <u>_____</u> , 20% = <u>_____</u>	<u>_____</u>	= Total Cover		<b>Prevalence Index worksheet:</b> <table border="0"> <tr> <td colspan="2"><u>Total % Cover of:</u></td> <td><u>Multiply by:</u></td> </tr> <tr> <td>OBL species</td> <td><u>_____</u></td> <td>x1 = <u>_____</u></td> </tr> <tr> <td>FACW species</td> <td><u>_____</u></td> <td>x2 = <u>_____</u></td> </tr> <tr> <td>FAC species</td> <td><u>_____</u></td> <td>x3 = <u>_____</u></td> </tr> <tr> <td>FACU species</td> <td><u>_____</u></td> <td>x4 = <u>_____</u></td> </tr> <tr> <td>UPL species</td> <td><u>_____</u></td> <td>x5 = <u>_____</u></td> </tr> <tr> <td>Column Totals:</td> <td><u>_____</u> (A)</td> <td><u>_____</u> (B)</td> </tr> <tr> <td colspan="3">Prevalence Index = B/A = <u>_____</u></td> </tr> </table>	<u>Total % Cover of:</u>		<u>Multiply by:</u>	OBL species	<u>_____</u>	x1 = <u>_____</u>	FACW species	<u>_____</u>	x2 = <u>_____</u>	FAC species	<u>_____</u>	x3 = <u>_____</u>	FACU species	<u>_____</u>	x4 = <u>_____</u>	UPL species	<u>_____</u>	x5 = <u>_____</u>	Column Totals:	<u>_____</u> (A)	<u>_____</u> (B)	Prevalence Index = B/A = <u>_____</u>		
<u>Total % Cover of:</u>		<u>Multiply by:</u>																										
OBL species	<u>_____</u>	x1 = <u>_____</u>																										
FACW species	<u>_____</u>	x2 = <u>_____</u>																										
FAC species	<u>_____</u>	x3 = <u>_____</u>																										
FACU species	<u>_____</u>	x4 = <u>_____</u>																										
UPL species	<u>_____</u>	x5 = <u>_____</u>																										
Column Totals:	<u>_____</u> (A)	<u>_____</u> (B)																										
Prevalence Index = B/A = <u>_____</u>																												
<b>Sapling/Shrub Stratum (Plot size: <u>10'</u>)</b> 1. <u>Rubus armeniacus</u> <u>30</u> <u>yes</u> <u>FAC</u> 2. <u>_____</u> <u>_____</u> <u>_____</u> <u>_____</u> 3. <u>_____</u> <u>_____</u> <u>_____</u> <u>_____</u> 4. <u>_____</u> <u>_____</u> <u>_____</u> <u>_____</u> 5. <u>_____</u> <u>_____</u> <u>_____</u> <u>_____</u> 50% = <u>_____</u> , 20% = <u>_____</u> <u>_____</u> = Total Cover																												
<b>Herb Stratum (Plot size: <u>10'</u>)</b> 1. <u>Phalaris arundinacea</u> <u>70</u> <u>yes</u> <u>FACW</u> 2. <u>Equisetum telmateia</u> <u>20</u> <u>yes</u> <u>FACW</u> 3. <u>_____</u> <u>_____</u> <u>_____</u> <u>_____</u> 4. <u>_____</u> <u>_____</u> <u>_____</u> <u>_____</u> 5. <u>_____</u> <u>_____</u> <u>_____</u> <u>_____</u> 6. <u>_____</u> <u>_____</u> <u>_____</u> <u>_____</u> 7. <u>_____</u> <u>_____</u> <u>_____</u> <u>_____</u> 8. <u>_____</u> <u>_____</u> <u>_____</u> <u>_____</u> 9. <u>_____</u> <u>_____</u> <u>_____</u> <u>_____</u> 10. <u>_____</u> <u>_____</u> <u>_____</u> <u>_____</u> 11. <u>_____</u> <u>_____</u> <u>_____</u> <u>_____</u> 50% = <u>_____</u> , 20% = <u>_____</u> <u>_____</u> = Total Cover																												
<b>Woody Vine Stratum (Plot size: <u>10'</u>)</b> 1. <u>Solanum dulcamara</u> <u>25</u> <u>yes</u> <u>FAC</u> 2. <u>_____</u> <u>_____</u> <u>_____</u> <u>_____</u> 50% = <u>_____</u> , 20% = <u>_____</u> <u>_____</u> = Total Cover																												
% Bare Ground in Herb Stratum <u>_____</u>																												

Remarks:



Project Site: 3721 120th Ave SE  
Parcel:544830-0120

## SOIL

Sampling Point: DP#1

**Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)**

Depth (inches)	Matrix		Redox Features				Texture	Remarks
	Color (moist)	%	Color (moist)	%	Type <sup>1</sup>	Loc <sup>2</sup>		
<u>0-16</u>	<u>10 YR 3/1</u>	<u>100</u>	_____	_____	_____	_____	<u>Silty Clay</u>	_____
_____	_____	_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____	_____	_____

<sup>1</sup>Type: C= Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains.

<sup>2</sup>Location: PL=Pore Lining, M=Matrix

**Hydric Soil Indicators: (Applicable to all LRRs, unless otherwise noted.)**

- |  |  |
|--|--|
| <input type="checkbox"/> Histosol (A1)                       | <input type="checkbox"/> Sandy Redox (S5)                                |
| <input type="checkbox"/> Histic Epipedon (A2)                | <input type="checkbox"/> Stripped Matrix (S6)                            |
| <input type="checkbox"/> Black Histic (A3)                   | <input type="checkbox"/> Loamy Mucky Mineral (F1) <b>(except MLRA 1)</b> |
| <input type="checkbox"/> Hydrogen Sulfide (A4)               | <input type="checkbox"/> Loamy Gleyed Matrix (F2)                        |
| <input type="checkbox"/> Depleted Below Dark Surface (A11)   | <input type="checkbox"/> Depleted Matrix (F3)                            |
| <input checked="" type="checkbox"/> Thick Dark Surface (A12) | <input type="checkbox"/> Redox Dark Surface (F6)                         |
| <input type="checkbox"/> Sandy Mucky Mineral (S1)            | <input type="checkbox"/> Depleted Dark Surface (F7)                      |
| <input type="checkbox"/> Sandy Gleyed Matrix (S4)            | <input type="checkbox"/> Redox Depressions (F8)                          |

**Indicators for Problematic Hydric Soils<sup>3</sup>:**

- |   |
|---|
| <input type="checkbox"/> 2 cm Muck (A10)                  |
| <input type="checkbox"/> Red Parent Material (TF2)        |
| <input type="checkbox"/> Very Shallow Dark Surface (TF12) |
| <input type="checkbox"/> Other (Explain in Remarks)       |

<sup>3</sup>Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

**Restrictive Layer (if present):**

Type: \_\_\_\_\_

Depth (inches): \_\_\_\_\_

**Hydric Soils Present?**

Yes ☒ No ☐

Remarks: compacted gravel at 16"

## HYDROLOGY

**Wetland Hydrology Indicators:**

Primary Indicators (minimum of one required; check all that apply)

- |  |   |
|--|---|
| <input checked="" type="checkbox"/> Surface Water (A1)             | <input type="checkbox"/> Water-Stained Leaves (B9)                      |
| <input checked="" type="checkbox"/> High Water Table (A2)          | <b>(except MLRA 1, 2, 4A, and 4B)</b>                                   |
| <input checked="" type="checkbox"/> Saturation (A3)                | <input type="checkbox"/> Salt Crust (B11)                               |
| <input type="checkbox"/> Water Marks (B1)                          | <input type="checkbox"/> Aquatic Invertebrates (B13)                    |
| <input type="checkbox"/> Sediment Deposits (B2)                    | <input type="checkbox"/> Hydrogen Sulfide Odor (C1)                     |
| <input type="checkbox"/> Drift Deposits (B3)                       | <input type="checkbox"/> Oxidized Rhizospheres along Living Roots (C3)  |
| <input type="checkbox"/> Algal Mat or Crust (B4)                   | <input type="checkbox"/> Presence of Reduced Iron (C4)                  |
| <input type="checkbox"/> Iron Deposits (B5)                        | <input type="checkbox"/> Recent Iron Reduction in Tilled Soils (C6)     |
| <input type="checkbox"/> Surface Soil Cracks (B6)                  | <input type="checkbox"/> Stunted or Stressed Plants (D1) <b>(LRR A)</b> |
| <input type="checkbox"/> Inundation Visible on Aerial Imagery (B7) | <input type="checkbox"/> Other (Explain in Remarks)                     |
| <input type="checkbox"/> Sparsely Vegetated Concave Surface (B8)   |   |

Secondary Indicators (2 or more required)

- |  |
|--|
| <input type="checkbox"/> Water-Stained Leaves (B9)                 |
| <b>(MLRA 1, 2, 4A, and 4B)</b>                                     |
| <input type="checkbox"/> Drainage Patterns (B10)                   |
| <input type="checkbox"/> Dry-Season Water Table (C2)               |
| <input type="checkbox"/> Saturation Visible on Aerial Imagery (C9) |
| <input type="checkbox"/> Geomorphic Position (D2)                  |
| <input type="checkbox"/> Shallow Aquitard (D3)                     |
| <input type="checkbox"/> FAC-Neutral Test (D5)                     |
| <input type="checkbox"/> Raised Ant Mounds (D6) <b>(LRR A)</b>     |
| <input type="checkbox"/> Frost-Heave Hummocks (D7)                 |

**Field Observations:**

Surface Water Present? Yes ☒ No ☐ Depth (inches): surface

Water Table Present? Yes ☒ No ☐ Depth (inches): surface

Saturation Present? (includes capillary fringe) Yes ☒ No ☐ Depth (inches): surface

**Wetland Hydrology Present?** Yes ☒ No ☐

Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

Remarks:



# WETLAND DETERMINATION DATA FORM – Western Mountains, Valleys, and Coast Region

Project Site: 3721 120<sup>th</sup> Ave SE City/County: Bellevue/ Sampling Date: 5-14-19  
 Parcel: 544830-0120  
 Applicant/Owner: Baches State: WA Sampling Point: DP#2  
 Investigator(s): John Altmann, Jason Panzera Section, Township, Range: S9 T24N R5E  
 Landform (hillslope, terrace, etc.): Slope Local relief (concave, convex, none): \_\_\_\_\_ Slope (%): \_\_\_\_\_  
 Subregion (LRR): A Lat: 47.5768 Long: -122.17991 Datum: \_\_\_\_\_  
 Soil Map Unit Name: AqD NWI classification: N/A  
 Are climatic / hydrologic conditions on the site typical for this time of year? Yes ☒ No ☐ (If no, explain in Remarks.)  
 Are Vegetation ☐, Soil ☐, or Hydrology ☐, significantly disturbed? Are "Normal Circumstances" present? Yes ☒ No ☐  
 Are Vegetation ☐, Soil ☐, or Hydrology ☐, naturally problematic? (If needed, explain any answers in Remarks.)

## SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Is the Sampled Area within a Wetland? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
Hydric Soil Present?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	
Wetland Hydrology Present?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	
Remarks: 10' Into upland off A-1		

## VEGETATION – Use scientific names of plants

Tree Stratum (Plot size: 10')	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test Worksheet:
1. <u>Acer macrophyllum</u>	100	yes	FACU	
2. _____	_____	_____	_____	Total Number of Dominant Species Across All Strata: 5 (B)
3. _____	_____	_____	_____	Percent of Dominant Species That Are OBL, FACW, or FAC: 40 (A/B)
4. _____	_____	_____	_____	
50% = _____, 20% = _____	_____	= Total Cover		
Sapling/Shrub Stratum (Plot size: 10')				Prevalence Index worksheet:
1. <u>Corylus cornuta</u>	30	yes	FACU	
2. <u>Rubus armeniacus</u>	30	yes	FAC	OBL species _____ x1 = _____
3. _____	_____	_____	_____	FACW species 10 x2 = 20
4. _____	_____	_____	_____	FAC species 30 x3 = 90
5. _____	_____	_____	_____	FACU species 155 x4 = 620
50% = _____, 20% = _____	_____	= Total Cover		UPL species _____ x5 = _____
Herb Stratum (Plot size: 10')				Column Totals: 195 (A) 730 (B)
1. <u>Polystichum munitum</u>	25	yes	FACU	Prevalence Index = B/A = 3.74
2. <u>Equisetum telmateia</u>	10	yes	FACW	
3. _____	_____	_____	_____	Hydrophytic Vegetation Indicators: <input type="checkbox"/> 1 – Rapid Test for Hydrophytic Vegetation <input type="checkbox"/> 2 - Dominance Test is >50% <input type="checkbox"/> 3 - Prevalence Index is ≤3.0' <input type="checkbox"/> 4 - Morphological Adaptations <sup>1</sup> (Provide supporting data in Remarks or on a separate sheet) <input type="checkbox"/> 5 - Wetland Non-Vascular Plants <sup>1</sup> <input type="checkbox"/> Problematic Hydrophytic Vegetation <sup>1</sup> (Explain)  <sup>1</sup> Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
4. _____	_____	_____	_____	
5. _____	_____	_____	_____	
6. _____	_____	_____	_____	
7. _____	_____	_____	_____	
8. _____	_____	_____	_____	
9. _____	_____	_____	_____	
10. _____	_____	_____	_____	
11. _____	_____	_____	_____	
50% = _____, 20% = _____	_____	= Total Cover		
Woody Vine Stratum (Plot size: 10')				
1. _____	_____	_____	_____	Hydrophytic Vegetation Present? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
2. _____	_____	_____	_____	
50% = _____, 20% = _____	_____	= Total Cover		
% Bare Ground in Herb Stratum _____				

Remarks:

Project Site: 3721 120th Ave SE  
Parcel:544830-0120

## SOIL

Sampling Point: DP#2

**Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)**

Depth (inches)	Matrix		Redox Features				Texture	Remarks
	Color (moist)	%	Color (moist)	%	Type <sup>1</sup>	Loc <sup>2</sup>		
<u>0-15</u>	<u>10 YR 4/3</u>	<u>100</u>	_____	_____	_____	_____	<u>GSL</u>	<u>Gravelly Sandy Loam</u>
_____	_____	_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____	_____	_____

<sup>1</sup>Type: C= Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains.

<sup>2</sup>Location: PL=Pore Lining, M=Matrix

**Hydric Soil Indicators: (Applicable to all LRRs, unless otherwise noted.)**

- |  |  |
|--|--|
| <input type="checkbox"/> Histosol (A1)                     | <input type="checkbox"/> Sandy Redox (S5)                                |
| <input type="checkbox"/> Histic Epipedon (A2)              | <input type="checkbox"/> Stripped Matrix (S6)                            |
| <input type="checkbox"/> Black Histic (A3)                 | <input type="checkbox"/> Loamy Mucky Mineral (F1) <b>(except MLRA 1)</b> |
| <input type="checkbox"/> Hydrogen Sulfide (A4)             | <input type="checkbox"/> Loamy Gleyed Matrix (F2)                        |
| <input type="checkbox"/> Depleted Below Dark Surface (A11) | <input type="checkbox"/> Depleted Matrix (F3)                            |
| <input type="checkbox"/> Thick Dark Surface (A12)          | <input type="checkbox"/> Redox Dark Surface (F6)                         |
| <input type="checkbox"/> Sandy Mucky Mineral (S1)          | <input type="checkbox"/> Depleted Dark Surface (F7)                      |
| <input type="checkbox"/> Sandy Gleyed Matrix (S4)          | <input type="checkbox"/> Redox Depressions (F8)                          |

**Indicators for Problematic Hydric Soils<sup>3</sup>:**

- |   |
|---|
| <input type="checkbox"/> 2 cm Muck (A10)                  |
| <input type="checkbox"/> Red Parent Material (TF2)        |
| <input type="checkbox"/> Very Shallow Dark Surface (TF12) |
| <input type="checkbox"/> Other (Explain in Remarks)       |

<sup>3</sup>Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

**Restrictive Layer (if present):**

Type: \_\_\_\_\_

Depth (inches): \_\_\_\_\_

**Hydric Soils Present?**

Yes ☐ No ☒

Remarks:

## HYDROLOGY

**Wetland Hydrology Indicators:**

Primary Indicators (minimum of one required; check all that apply)

- |  |   |
|--|---|
| <input type="checkbox"/> Surface Water (A1)                        | <input type="checkbox"/> Water-Stained Leaves (B9)                      |
| <input type="checkbox"/> High Water Table (A2)                     | <b>(except MLRA 1, 2, 4A, and 4B)</b>                                   |
| <input type="checkbox"/> Saturation (A3)                           | <input type="checkbox"/> Salt Crust (B11)                               |
| <input type="checkbox"/> Water Marks (B1)                          | <input type="checkbox"/> Aquatic Invertebrates (B13)                    |
| <input type="checkbox"/> Sediment Deposits (B2)                    | <input type="checkbox"/> Hydrogen Sulfide Odor (C1)                     |
| <input type="checkbox"/> Drift Deposits (B3)                       | <input type="checkbox"/> Oxidized Rhizospheres along Living Roots (C3)  |
| <input type="checkbox"/> Algal Mat or Crust (B4)                   | <input type="checkbox"/> Presence of Reduced Iron (C4)                  |
| <input type="checkbox"/> Iron Deposits (B5)                        | <input type="checkbox"/> Recent Iron Reduction in Tilled Soils (C6)     |
| <input type="checkbox"/> Surface Soil Cracks (B6)                  | <input type="checkbox"/> Stunted or Stressed Plants (D1) <b>(LRR A)</b> |
| <input type="checkbox"/> Inundation Visible on Aerial Imagery (B7) | <input type="checkbox"/> Other (Explain in Remarks)                     |
| <input type="checkbox"/> Sparsely Vegetated Concave Surface (B8)   |   |

Secondary Indicators (2 or more required)

- |  |
|--|
| <input type="checkbox"/> Water-Stained Leaves (B9)                 |
| <b>(MLRA 1, 2, 4A, and 4B)</b>                                     |
| <input type="checkbox"/> Drainage Patterns (B10)                   |
| <input type="checkbox"/> Dry-Season Water Table (C2)               |
| <input type="checkbox"/> Saturation Visible on Aerial Imagery (C9) |
| <input type="checkbox"/> Geomorphic Position (D2)                  |
| <input type="checkbox"/> Shallow Aquitard (D3)                     |
| <input type="checkbox"/> FAC-Neutral Test (D5)                     |
| <input type="checkbox"/> Raised Ant Mounds (D6) <b>(LRR A)</b>     |
| <input type="checkbox"/> Frost-Heave Hummocks (D7)                 |

**Field Observations:**

Surface Water Present? Yes ☐ No ☒ Depth (inches): \_\_\_\_\_

Water Table Present? Yes ☐ No ☒ Depth (inches): \_\_\_\_\_

Saturation Present?  
(includes capillary fringe) Yes ☐ No ☒ Depth (inches): \_\_\_\_\_

**Wetland Hydrology Present?** Yes ☐ No ☒

Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

Remarks: Dry



# **ATTACHMENT B**

# **WETLAND RATING**

## RATING SUMMARY – Western Washington

Name of wetland (or ID #): Parcel 544830-0120 Date of site visit: 5/14/2019Rated by Altmann Trained by Ecology? ☒ Yes ☐ No Date of training 03/08 & 03/15HGM Class used for rating Slope Wetland has multiple HGM classes? ☐ Yes ☒ No**NOTE: Form is not complete with out the figures requested (figures can be combined).**Source of base aerial photo/map King County iMAP**OVERALL WETLAND CATEGORY** IV (based on functions ☒ or special characteristics ☐ )**1. Category of wetland based on FUNCTIONS**

       **Category I** - Total score = 23 - 27

       **Category II** - Total score = 20 - 22

       **Category III** - Total score = 16 - 19

  X   **Category IV** - Total score = 9 - 15

FUNCTION	Improving Water Quality	Hydrologic	Habitat	
<i>List appropriate rating (H, M, L)</i>				
Site Potential	M	L	L	
Landscape Potential	M	M	L	
Value	H	L	L	<b>Total</b>
<b>Score Based on Ratings</b>	7	4	3	<b>14</b>

**Score for each  
function based  
on three  
ratings***(order of ratings  
is not  
important)*

9 = H, H, H  
 8 = H, H, M  
 7 = H, H, L  
 7 = H, M, M  
 6 = H, M, L  
 6 = M, M, M  
 5 = H, L, L  
 5 = M, M, L  
 4 = M, L, L  
 3 = L, L, L

**2. Category based on SPECIAL CHARACTERISTICS of wetland**

CHARACTERISTIC	Category
Estuarine	
Wetland of High Conservation Value	
Bog	
Mature Forest	
Old Growth Forest	
Coastal Lagoon	
Interdunal	
None of the above	<b>X</b>



**SLOPE WETLANDS****Water Quality Functions** - Indicators that the site functions to improve water quality

S 1.0. Does the site have the potential to improve water quality?

S 1.1. Characteristics of the average slope of the wetland: (*a 1% slope has a 1 ft vertical drop in elevation for every 100 ft of horizontal distance*)

Slope is 1% or less	points = 3	0
Slope is > 1% - 2%	points = 2	
Slope is > 2% - 5%	points = 1	
Slope is greater than 5%	points = 0	

S 1.2. The soil 2 in below the surface (or duff layer) is true clay or true organic (use NRCS definitions):

Yes = 3    No = 0    3

S 1.3. Characteristics of the plants in the wetland that trap sediments and pollutants: Choose the points appropriate for the description that best fits the plants in the wetland. *Dense means you have trouble seeing the soil surface (>75% cover), and uncut means not grazed or mowed and plants are higher than 6 in.*

Dense, uncut, herbaceous plants > 90% of the wetland area	points = 6	3
Dense, uncut, herbaceous plants > ½ of area	points = 3	
Dense, woody, plants > ½ of area	points = 2	
Dense, uncut, herbaceous plants > ¼ of area	points = 1	
Does not meet any of the criteria above for plants	points = 0	

Total for S 1

Add the points in the boxes above

**6****Rating of Site Potential** If score is: ☐ 12 = H    ☒ 6 - 11 = M    ☐ 0 - 5 = L    *Record the rating on the first page*

S 2.0. Does the landscape have the potential to support the water quality function of the site?

S 2.1. Is &gt; 10% of the area within 150 ft on the uphill side of the wetland in land uses that generate pollutants?

Yes = 1    No = 0    1

S 2.2. Are there other sources of pollutants coming into the wetland that are not listed in question S 2.1?

Other Sources    Yes = 1    No = 0    0

Total for S 2

Add the points in the boxes above

**1****Rating of Landscape Potential** If score is: ☒ 1 - 2 = M    ☐ 0 = L    *Record the rating on the first page*

S 3.0. Is the water quality improvement provided by the site valuable to society?

S 3.1. Does the wetland discharge directly (i.e., within 1 mi) to a stream, river, lake, or marine water that is on the 303(d) list?

Yes = 1    No = 0    1

S 3.2. Is the wetland in a basin or sub-basin where water quality is an issue?

*At least one aquatic resource in the basin is on the 303(d) list.*

Yes = 1    No = 0    1

S 3.3. Has the site been identified in a watershed or local plan as important for maintaining water quality? *Answer YES if there is a TMDL for the basin in which the unit is found?*

Yes = 2    No = 0    0

Total for S 3

Add the points in the boxes above

**2****Rating of Value** If score is: ☒ 2 - 4 = H    ☐ 1 = M    ☐ 0 = L    *Record the rating on the first page*

**SLOPE WETLANDS****Hydrologic Functions** - Indicators that the site functions to reduce flooding and stream erosion

S 4.0. Does the site have the potential to reduce flooding and stream erosion?

S 4.1. Characteristics of plants that reduce the velocity of surface flows during storms: Choose the points appropriate for the description that best fits conditions in the wetland. *Stems of plants should be thick enough (usually > 1/8 in), or dense enough, to remain erect during surface flows.*

Dense, uncut, **rigid** plants cover > 90% of the area of the wetland

points = 1

All other conditions

points = 0

0

**Rating of Site Potential** If score is: ☐ 1 = M ☒ 0 = L

Record the rating on the first page

S 5.0. Does the landscape have the potential to support hydrologic functions of the site?

S 5.1. Is more than 25% of the area within 150 ft upslope of wetland in land uses or cover that generate excess surface runoff?

Yes = 1 No = 0

1

**Rating of Landscape Potential** If score is: ☒ 1 = M ☐ 0 = L

Record the rating on the first page

S 6.0. Are the hydrologic functions provided by the site valuable to society?

S 6.1. Distance to the nearest areas downstream that have flooding problems:

The sub-basin immediately down-gradient of site has flooding problems that result in damage to human or natural resources (e.g., houses or salmon redds)

points = 2

0

Surface flooding problems are in a sub-basin farther down-gradient

points = 1

No flooding problems anywhere downstream

points = 0

S 6.2. Has the site been identified as important for flood storage or flood conveyance in a regional flood control plan?

Yes = 2 No = 0

0

Total for S 6

Add the points in the boxes above

0

**Rating of Value** If score is: ☐ 2 - 4 = H ☐ 1 = M ☒ 0 = L

Record the rating on the first page

NOTES and FIELD OBSERVATIONS:



**These questions apply to wetlands of all HGM classes.****HABITAT FUNCTIONS** - Indicators that site functions to provide important habitat**H 1.0.** Does the site have the potential to provide habitat?

**H 1.1.** Structure of plant community: *Indicators are Cowardin classes and strata within the Forested class.* Check the Cowardin plant classes in the wetland. *Up to 10 patches may be combined for each class to meet the threshold of ¼ ac or more than 10% of the unit if it is smaller than 2.5 ac. Add the number of structures checked.*

- |   |                                  |   |
|---|----------------------------------|---|
| <input type="checkbox"/> Aquatic bed  | 4 structures or more: points = 4 | 0 |
| <input type="checkbox"/> Emergent   | 3 structures: points = 2         |   |
| <input checked="" type="checkbox"/> Scrub-shrub (areas where shrubs have > 30% cover)   | 2 structures: points = 1         |   |
| <input type="checkbox"/> Forested (areas where trees have > 30% cover)  | 1 structure: points = 0          |   |
| <i>If the unit has a Forested class, check if:</i>  |                                  |   |
| <input type="checkbox"/> The Forested class has 3 out of 5 strata (canopy, sub-canopy, shrubs, herbaceous, moss/ground-cover) that each cover 20% within the Forested polygon |                                  |   |

**H 1.2.** Hydroperiods

Check the types of water regimes (hydroperiods) present within the wetland. The water regime has to cover more than 10% of the wetland or ¼ ac to count (*see text for descriptions of hydroperiods*).

- |  |                                     |   |
|--|-------------------------------------|---|
| <input type="checkbox"/> Permanently flooded or inundated                                    | 4 or more types present: points = 3 | 0 |
| <input type="checkbox"/> Seasonally flooded or inundated                                     | 3 types present: points = 2         |   |
| <input type="checkbox"/> Occasionally flooded or inundated                                   | 2 types present: points = 1         |   |
| <input checked="" type="checkbox"/> Saturated only   | 1 types present: points = 0         |   |
| <input type="checkbox"/> Permanently flowing stream or river in, or adjacent to, the wetland |                                     |   |
| <input type="checkbox"/> Seasonally flowing stream in, or adjacent to, the wetland           |                                     |   |
| <input type="checkbox"/> <b>Lake Fringe wetland</b>  | <b>2 points</b>                     |   |
| <input type="checkbox"/> <b>Freshwater tidal wetland</b>                                     | <b>2 points</b>                     |   |

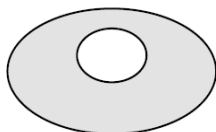
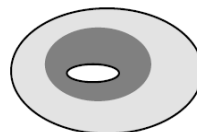
**H 1.3.** Richness of plant species

Count the number of plant species in the wetland that cover at least 10 ft<sup>2</sup>. *Different patches of the same species can be combined to meet the size threshold and you do not have to name the species. **Do not include Eurasian milfoil, reed canarygrass, purple loosestrife, Canadian thistle***

- |                 |                |            |   |
|-----------------|----------------|------------|---|
| If you counted: | > 19 species   | points = 2 | 1 |
|                 | 5 - 19 species | points = 1 |   |
|                 | < 5 species    | points = 0 |   |

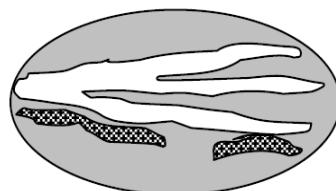
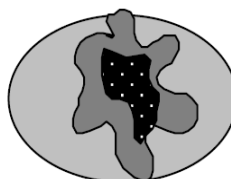
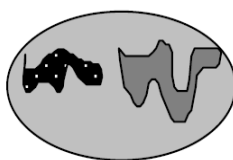
**H 1.4.** Interspersion of habitats

Decide from the diagrams below whether interspersion among Cowardin plants classes (described in H 1.1), or the classes and unvegetated areas (can include open water or mudflats) is high, moderate, low, or none. *If you have four or more plant classes or three classes and open water, the rating is always high.*

**None** = 0 points**Low** = 1 point**Moderate** = 2 points

0

All three diagrams  
in this row are  
**HIGH** = 3 points



<b>H 1.5. Special habitat features:</b> Check the habitat features that are present in the wetland. <i>The number of checks is the number of points.</i>		2
<input checked="" type="checkbox"/> Large, downed, woody debris within the wetland (> 4 in diameter and 6 ft long)		
<input checked="" type="checkbox"/> Standing snags (dbh > 4 in) within the wetland		
<input type="checkbox"/> Undercut banks are present for at least 6.6 ft (2 m) <b>and/or</b> overhanging plants extends at least 3.3 ft (1 m) over a stream (or ditch) in, or contiguous with the wetland, for at least 33 ft (10 m)		
<input type="checkbox"/> Stable steep banks of fine material that might be used by beaver or muskrat for denning (> 30 degree slope) OR signs of recent beaver activity are present ( <i>cut shrubs or trees that have not yet weathered where wood is exposed</i> )		
<input type="checkbox"/> At least ¼ ac of thin-stemmed persistent plants or woody branches are present in areas that are permanently or seasonally inundated ( <i>structures for egg-laying by amphibians</i> )		
<input type="checkbox"/> Invasive plants cover less than 25% of the wetland area in every stratum of plants (see H 1.1 for list of strata)		
<b>Total for H 1</b>		3

Add the points in the boxes above

**Rating of Site Potential** If Score is: ☐ 15 - 18 = H ☐ 7 - 14 = M ☒ 0 - 6 = L Record the rating on the first page

<b>H 2.0. Does the landscape have the potential to support the habitat function of the site?</b>		
<b>H 2.1 Accessible habitat (include <i>only habitat that directly abuts wetland unit</i>).</b> <i>Calculate:</i>		
1.2 % undisturbed habitat + ( 0 % moderate & low intensity land uses / 2 ) = 1.2%		0
If total accessible habitat is:		
> 1/3 (33.3%) of 1 km Polygon points = 3		
20 - 33% of 1 km Polygon points = 2		
10 - 19% of 1 km Polygon points = 1		
< 10 % of 1 km Polygon points = 0		
<b>H 2.2. Undisturbed habitat in 1 km Polygon around the wetland.</b> <i>Calculate:</i>		
16.5 % undisturbed habitat + ( 9 % moderate & low intensity land uses / 2 ) = 21%		2
Undisturbed habitat > 50% of Polygon points = 3		
Undisturbed habitat 10 - 50% and in 1-3 patches points = 2		
Undisturbed habitat 10 - 50% and > 3 patches points = 1		
Undisturbed habitat < 10% of 1 km Polygon points = 0		
<b>H 2.3 Land use intensity in 1 km Polygon: If</b>		
> 50% of 1 km Polygon is high intensity land use points = (-2)		-2
≤ 50% of 1km Polygon is high intensity points = 0		
<b>Total for H 2</b>		0

Add the points in the boxes above

**Rating of Landscape Potential** If Score is: ☐ 4 - 6 = H ☐ 1 - 3 = M ☒ < 1 = L Record the rating on the first page

<b>H 3.0. Is the habitat provided by the site valuable to society?</b>		
<b>H 3.1. Does the site provide habitat for species valued in laws, regulations, or policies? Choose only the highest score that applies to the wetland being rated.</b>		
Site meets ANY of the following criteria:		points = 2
<input type="checkbox"/> It has 3 or more priority habitats within 100 m (see next page)		0
<input type="checkbox"/> It provides habitat for Threatened or Endangered species (any plant or animal on the state or federal lists)		
<input type="checkbox"/> It is mapped as a location for an individual WDFW priority species		
<input type="checkbox"/> It is a Wetland of High Conservation Value as determined by the Department of Natural Resources		
<input type="checkbox"/> It has been categorized as an important habitat site in a local or regional comprehensive plan, in a Shoreline Master Plan, or in a watershed plan		
Site has 1 or 2 priority habitats (listed on next page) with in 100m		points = 1
Site does not meet any of the criteria above		points = 0

**Rating of Value** If Score is: ☐ 2 = H ☐ 1 = M ☒ 0 = L

Record the rating on the first page



## WDFW Priority Habitats

Priority habitats listed by WDFW (see complete descriptions of WDFW priority habitats, and the counties in which they can be found, in: Washington Department of Fish and Wildlife. 2008. Priority Habitat and Species List. Olympia, Washington. 177 pp.

<http://wdfw.wa.gov/publications/00165/wdfw00165.pdf> or access the list from here:

<http://wdfw.wa.gov/conservation/phs/list/>

Count how many of the following priority habitats are within 330 ft (100 m) of the wetland unit: **NOTE:** *This question is independent of the land use between the wetland unit and the priority habitat.*

- ☐ **Aspen Stands:** Pure or mixed stands of aspen greater than 1 ac (0.4 ha).
- ☐ **Biodiversity Areas and Corridors:** Areas of habitat that are relatively important to various species of native fish and wildlife (*full descriptions in WDFW PHS report*).
- ☐ **Herbaceous Balds:** Variable size patches of grass and forbs on shallow soils over bedrock.
- ☐ **Old-growth/Mature forests:** Old-growth west of Cascade crest – Stands of at least 2 tree species, forming a multi-layered canopy with occasional small openings; with at least 8 trees/ac (20 trees/ha) > 32 in (81 cm) dbh or > 200 years of age. Mature forests – Stands with average diameters exceeding 21 in (53 cm) dbh; crown cover may be less than 100%; decay, decadence, numbers of snags, and quantity of large downed material is generally less than that found in old-growth; 80-200 years old west of the Cascade crest.
- ☐ **Oregon White Oak:** Woodland stands of pure oak or oak/conifer associations where canopy coverage of the oak component is important (*full descriptions in WDFW PHS report p. 158 – see web link above*).
- ☐ **Riparian:** The area adjacent to aquatic systems with flowing water that contains elements of both aquatic and terrestrial ecosystems which mutually influence each other.
- ☐ **Westside Prairies:** Herbaceous, non-forested plant communities that can either take the form of a dry prairie or a wet prairie (*full descriptions in WDFW PHS report p. 161 – see web link above*).
- ☐ **Instream:** The combination of physical, biological, and chemical processes and conditions that interact to provide functional life history requirements for instream fish and wildlife resources.
- ☐ **Nearshore:** Relatively undisturbed nearshore habitats. These include Coastal Nearshore, Open Coast Nearshore, and Puget Sound Nearshore. (*full descriptions of habitats and the definition of relatively undisturbed are in WDFW report – see web link on previous page*).
- ☐ **Caves:** A naturally occurring cavity, recess, void, or system of interconnected passages under the earth in soils, rock, ice, or other geological formations and is large enough to contain a human.
- ☐ **Cliffs:** Greater than 25 ft (7.6 m) high and occurring below 5000 ft elevation.
- ☐ **Talus:** Homogenous areas of rock rubble ranging in average size 0.5 - 6.5 ft (0.15 - 2.0 m), composed of basalt, andesite, and/or sedimentary rock, including riprap slides and mine tailings. May be associated with cliffs.
- ☐ **Snags and Logs:** Trees are considered snags if they are dead or dying and exhibit sufficient decay characteristics to enable cavity excavation/use by wildlife. Priority snags have a diameter at breast height of > 20 in (51 cm) in western Washington and are > 6.5 ft (2 m) in height. Priority logs are > 12 in (30 cm) in diameter at the largest end, and > 20 ft (6 m) long.

**Note:** All vegetated wetlands are by definition a priority habitat but are not included in this list because they are addressed elsewhere.



3721 120th Ave SE  
Bellevue, WA 98006  
City of Bellevue  
Parcel: 544830-0120

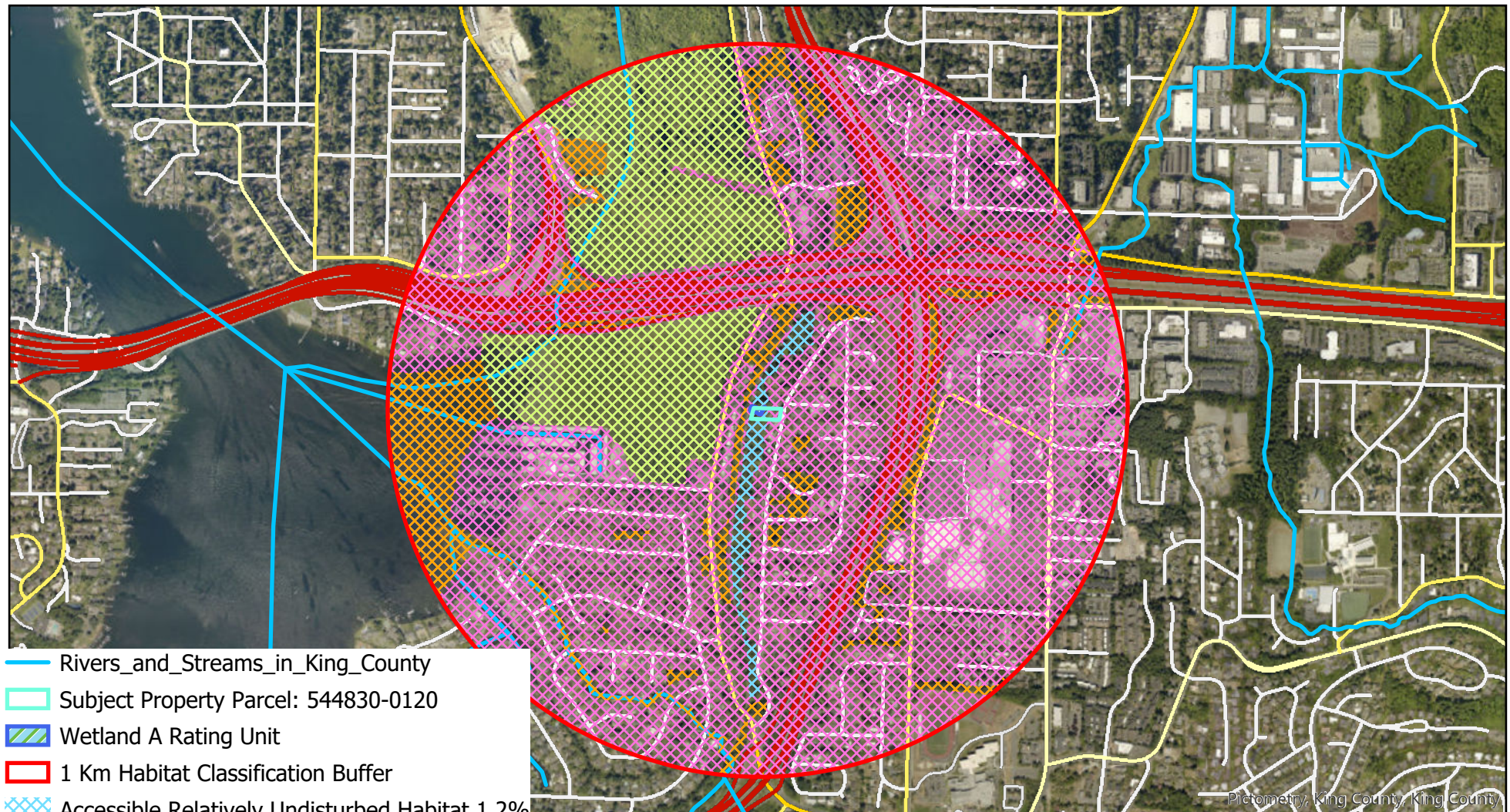
Altmann Oliver Associates, LLC

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# Figure A

AOA - 5961



- Rivers\_and\_Streams\_in\_King\_County
- Subject Property Parcel: 544830-0120
- ▨ Wetland A Rating Unit
- ▭ 1 Km Habitat Classification Buffer
- ▨ Accessible Relatively Undisturbed Habitat 1.2%
- ▨ Accessible Low\_Moderate Intensity Habitat 0%
- ▨ Relatively Undisturbed Habitat 15.3%
- ▨ Low\_Moderate Intensity Habitat 9%
- ▨ High Intensity Habitat 74.5%

0 500 1,000 2,000 3,000 4,000 US Feet





3721 120th Ave SE  
Bellevue, WA 98006  
City of Bellevue  
Parcel: 544830-0120

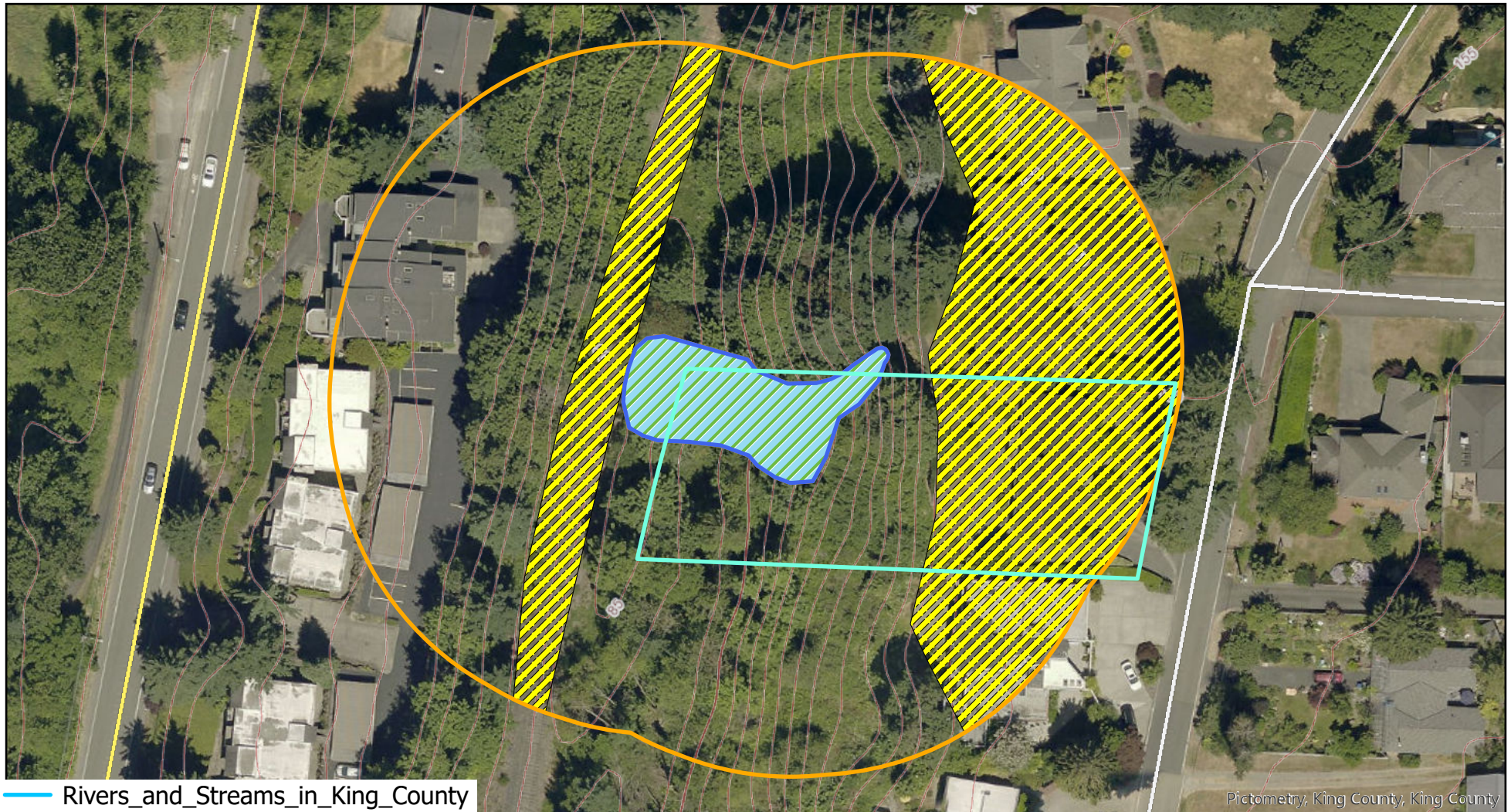
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# Figure B

AOA - 5961



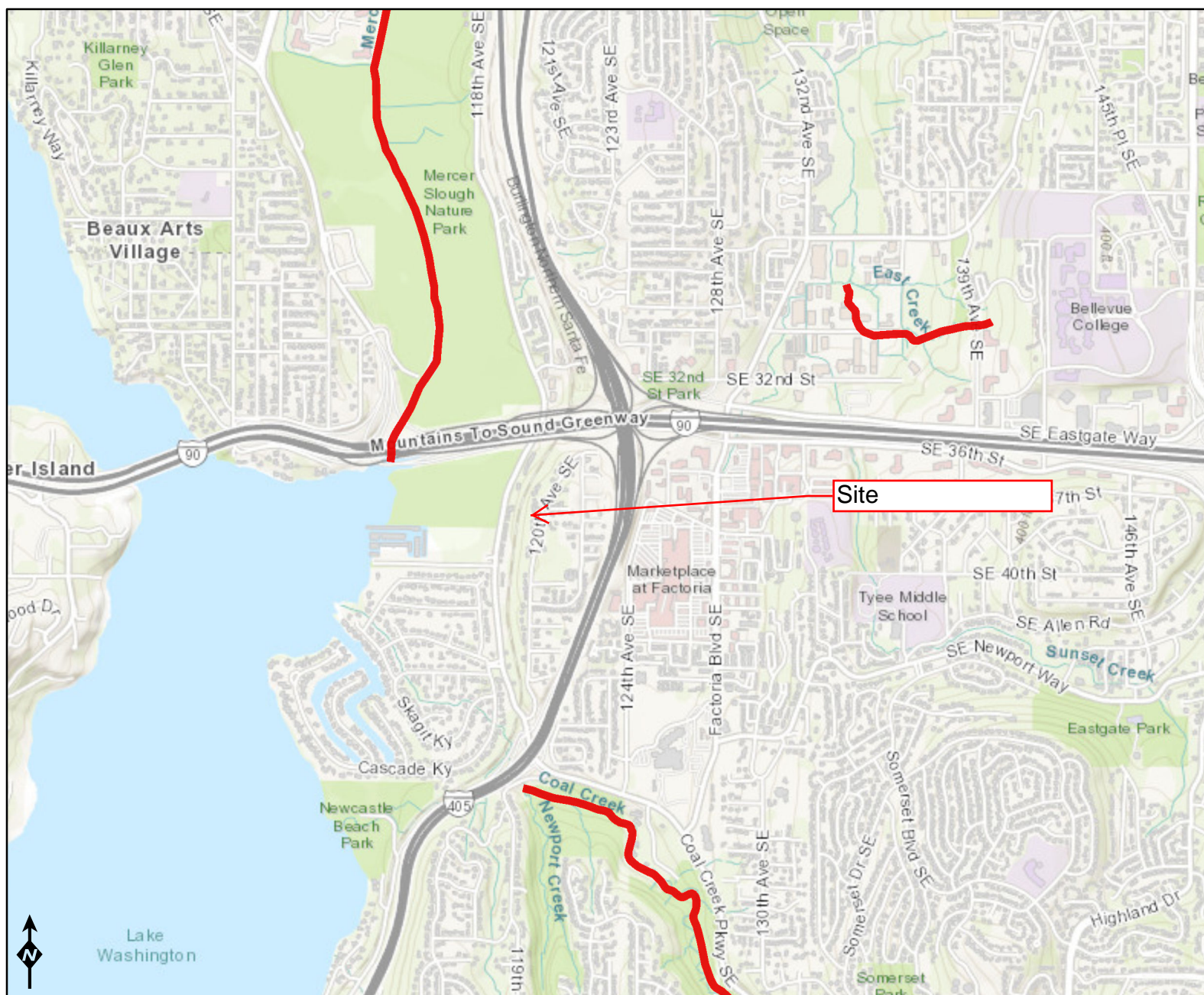
- Rivers\_and\_Streams\_in\_King\_County
- Subject Property Parcel: 544830-0120
- Wetland A Rating Unit
- 150' Pollution Buffer
- Pollution Generating Surfaces 31.1%

0 25 50 100 150 200  
US Feet










# Water Quality Atlas Map




**Figure C**


## Assessed Waters/Sediment

### Water

-  Category 5 - 303d
-  Category 4C
-  Category 4B
-  Category 4A
-  Category 2
-  Category 1

### Sediment

-  Category 5 - 303d
-  Category 4C
-  Category 4B
-  Category 4A
-  Category 2
-  Category 1



## Figure D

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## Water Quality Improvement Projects (TMDLs)

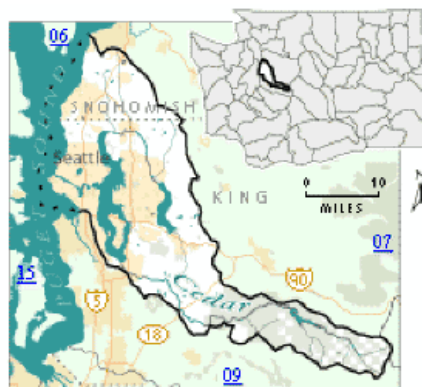
[Water Quality Improvement](#) > [Water Quality Improvement Projects by WRIA](#) > WRIA 8: Cedar-Sammamish

### WRIA 8: Cedar-Sammamish

The following table lists overview information for water quality improvement projects (including total maximum daily loads, or TMDLs) for this water resource inventory area ([WRIA](#)). Please use links (where available) for more information on a project.

#### Counties

- [King](#)
- [Snohomish](#)



Waterbody Name	Pollutants	Status**	TMDL Lead
<a href="#">Ballinger Lake</a>	Total Phosphorus	Approved by EPA	<a href="#">Tricia Shoblom</a> 425-649-7288
<a href="#">Bear-Evans Creek Basin</a>	Fecal Coliform	Approved by EPA	<a href="#">Joan Nolan</a> 425-649-4425
	Dissolved Oxygen Temperature	Approved by EPA	
<a href="#">Cottage Lake</a>	Total Phosphorus	Approved by EPA Has an implementation plan	<a href="#">Tricia Shoblom</a> 425-649-7288
<a href="#">Issaquah Creek Basin</a>	Fecal Coliform	Approved by EPA	<a href="#">Joan Nolan</a> 425-649-4425
<a href="#">Little Bear Creek</a> Tributaries:  Trout Stream Great Dane Creek Cutthroat Creek	Fecal Coliform	Approved by EPA	<a href="#">Ralph Svrjcek</a> 425-649-7036
<a href="#">North Creek</a>	Fecal Coliform	Approved by EPA Has an implementation plan	<a href="#">Ralph Svrjcek</a> 425-649-7036
<a href="#">Pipers Creek</a>	Fecal Coliform	Approved by EPA	<a href="#">Joan Nolan</a> 425-649-4425
<a href="#">Sammamish River</a>	Dissolved Oxygen Temperature	Field work starts summer 2015	<a href="#">Ralph Svrjcek</a> 425-649-7036
<a href="#">Swamp Creek</a>	Fecal Coliform	Approved by EPA Has an implementation plan	<a href="#">Ralph Svrjcek</a> 425-649-7036

\*\* **Status** will be listed as one of the following: Approved by EPA, Under Development or Implementation

#### For more information about WRIA 8:

- [Waterbodies in WRIA 8](#) - using the Water Quality Assessment Query Tool
- [Watershed Information for WRIA 8](#)

\* The Department of Ecology and other state resource agencies frequently use a system of 62 "Water Resource Inventory Areas" or "WRIs" to refer to the state's major watershed basins.



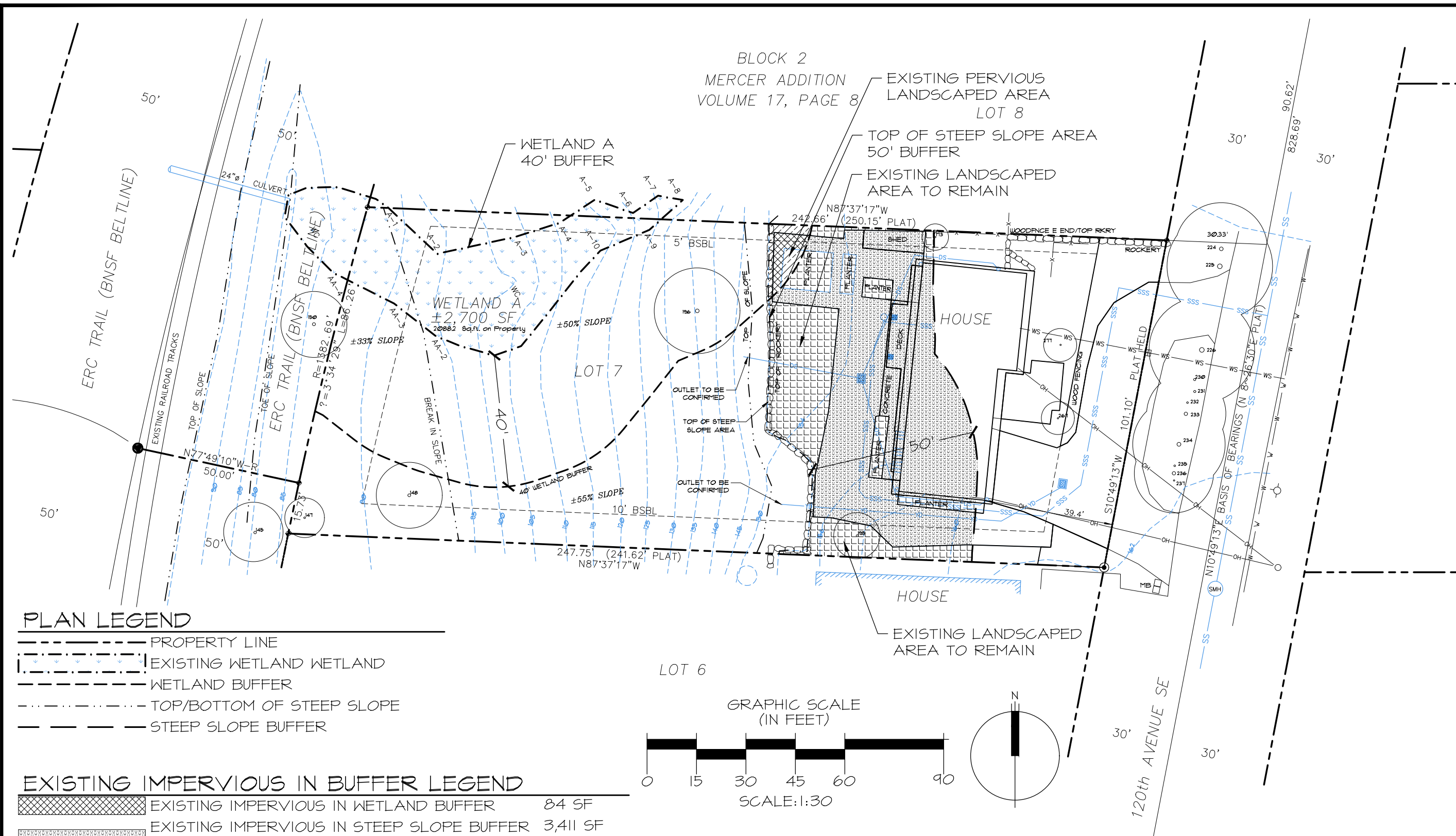


FIGURE 1: EXISTING CONDITIONS  
BUFFER ENHANCEMENT PLAN  
BACHES PROPERTY  
BELLEVUE, WASHINGTON



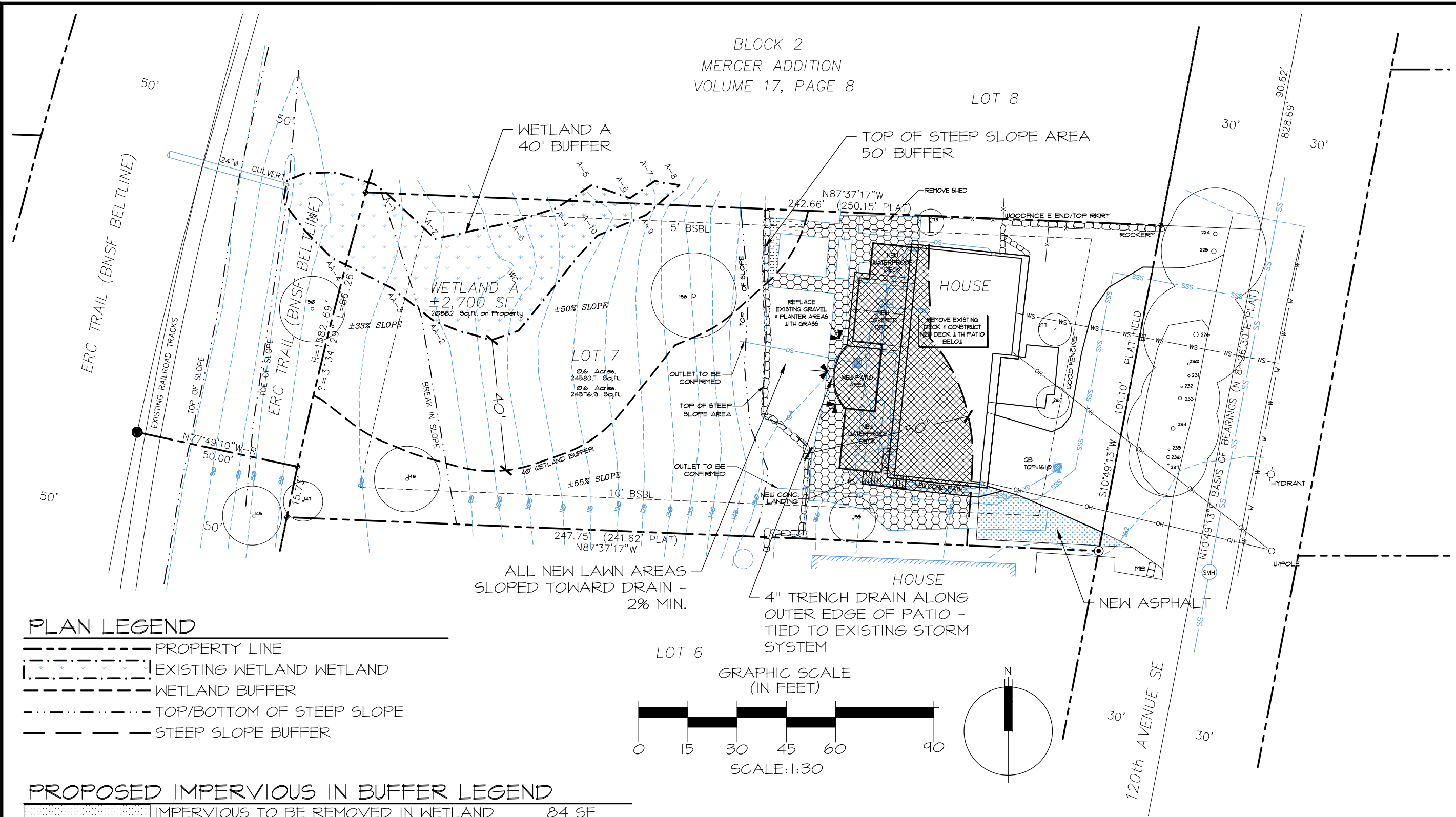
Altmann Oliver Associates, LLC  
Environmental Planning & Landscape Architecture  
PO Box 578  
Camden, WA 98014  
Office (425) 333-4551 Fax (425) 333-4509

PROJECT 5961  
DRAWN 50

SCALE AS NOTED  
DATE 1-10-20  
REVISED

1/2





### PLAN LEGEND

- PROPERTY LINE
- - - - - EXISTING WETLAND WETLAND
- - - - - WETLAND BUFFER
- - - - - TOP/BOTTOM OF STEEP SLOPE
- - - - - STEEP SLOPE BUFFER

### PROPOSED IMPERVIOUS IN BUFFER LEGEND

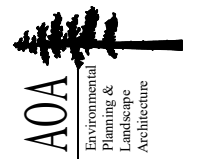
	IMPERVIOUS TO BE REMOVED IN WETLAND BUFFER	84 SF
	NET REDUCTION OF IMPERVIOUS IN WETLAND BUFFER	84 SF
	IMPERVIOUS IN STEEP SLOPE BUFFER TO BE REMOVED	1,268 SF
	IMPERVIOUS IN STEEP SLOPE BUFFER TO REMAIN	2,331 SF
	NET REDUCTION OF IMPERVIOUS IN STEEP SLOPE BUFFER	2,143 SF

### NOTES

1. BASE INFORMATION PROVIDED BY ARCHITECTURAL INNOVATIONS, P.S., 14311 SE 16TH ST., BELLEVUE, WA 98007, (425) 641-5320.

PROJECT	5961
DRAWN	50
SCALE	AS NOTED
DATE	1-10-20
REVISION	2/2

FIGURE 2: PROPOSED SITE PLAN - CRITICAL AREAS MAP  
 BUFFER ENHANCEMENT PLAN  
 BACHES PROPERTY  
 BELLEVUE, WASHINGTON



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